National Aeronautics and
Space Administration

Lyndon B. Johnson Space Center
2101 NASA Road 1
Houston, Texas 77058-3696

Reply to Attn of: EA2-07-020   March 27, 2007

TO: NT/Alpha Magnetic Spectrometer S&MA Representative

FROM: EA/Alpha Magnetic Spectrometer (AMS) Project Manager

SUBJECT: Support of EA Developed Software for AMS

Recent discussions have been held concerning the level of support from S&MA regarding
all software that is developed by EA in support of the Alpha Magnetic Spectrometer
project. The AMS Project Office has identified only one piece of software that is written
for the Digital Data Recording System that resides inside the aft flight deck of the Shuttle
during the AMS mission. All other software is developed by the AMS Collaboration. As
a payload, there are specific rules that must be followed concerning the data format and
potential interfaces to vehicle payload data systems. We are abiding by these rules and
will verify formats and interfaces as specified in the AMS Master Verification Plan.

Since there is relatively little software developed by EA, and since this software must
meet and be verified to a known set of requirements, we believe that we can develop the
minimal set of documentation within the AMS project. You are welcome to review these
documents and witness any tests associated with this software, but we expect this to
require relatively little support.

Trent Martin

cc:
NT/Jim Nugent
ESCG/Melody Cay-Rice
ESCG/Chris Tutt
ESCG/Tim Urban